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Type: **Parallel session**

Non-resonant Di-Higgs searches at CMS

Tuesday, 28 November 2023 09:55 (15 minutes)

Recent results on studies of Higgs boson pair (HH) production are presented, exploiting data collected in Run 2 of the LHC by the CMS experiment. A variety of Higgs boson decay channels will be studied, ranging from those with large branching fractions (combinations of $H \rightarrow b\bar{b}$ and $H \rightarrow VV$) to those with smaller branching fractions. Limits are presented on nonresonant HH production via gluon-gluon fusion and vector boson fusion, assuming SM properties, as well as a range of anomalous Higgs boson couplings.

You are

non-PhD student

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